

Applicant(s): Pacifico et al.
Serial No.: Unassigned
(Divisional of Serial No. 09/996,636)
Filed: Herewith
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AMENDMENT TO CLAIMS

Please cancel Claims 1-34.

Please add Claims 35-62.

Claim 35 (New): An encapsulated sensitive substance comprising:

- (a) a sensitive substance; and
- (b) an encapsulant material which has been melted and coated onto said sensitive substance.

Claim 36 (New): An encapsulated sensitive substance according to claim 35, wherein

said sensitive substance is a volatile liquid material with a boiling point
between about 40°F and about 250°F.

Claim 37 (New): An encapsulated sensitive substance according to claim 35, wherein said
sensitive substance is a volatile liquid material selected from the group consisting of a flavor
compound, aroma, fragrance, vitamin, nutrient, alcohol, acetone, ketone, aldehyde, organic
acid, antioxidant, and oil.

Claim 38 (New): An encapsulated sensitive substance according to claim 37, wherein said
nutrient is selected from the group consisting of omega 3 oil, carotenoid, vitamin A and
vitamin E.

Claim 39 (New): An encapsulated sensitive substance according to claim 37, wherein said
volatile liquid material is selected from the group consisting of lemon oil, spearmint oil,
vanilla extract, garlic oil, and cinnamon.

Claim 40 (New): An encapsulated sensitive substance according to claim 35, wherein said
sensitive substance is a biologically active compound.

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Claim 41 (New): An encapsulated sensitive substance according to claim 40, wherein said biologically active compound is selected from the group consisting of *Lactobacilli*, *Bifidobacterium*, *Enterococci*, phytase, amylases, lipases, invertases, transglutaminases, proteases, lipoxygenases and pentosanases.

Claim 42 (New): An encapsulated sensitive substance according to claim 35, wherein said encapsulant material a lipid material.

Claim 43 (New): An encapsulated sensitive substance according to claim 42, wherein said lipid material has a melting point between about 60 °F and about 200 °F.

Claim 44 (New): An encapsulated sensitive substance according to claim 42, wherein said lipid material is selected from the group consisting of mono-, di-, and triacylglycerols; waxes; and organic esters.

Claim 45 (New): An encapsulated sensitive substance according to claim 42, wherein said lipid material is selected from the group consisting of soy bean oil, cotton seed oil, canola oil, carnauba wax, beeswax, bran wax, tallow and palm kernel oil.

Claim 46 (New): An encapsulated sensitive substance according to claim 35, wherein said encapsulant material is present in an amount of about 10 to about 90% by weight of said encapsulated sensitive substance.

Claim 47 (New): An encapsulated sensitive substance comprising: (a) a plated material comprising a sensitive substance plated onto a solid carrier; and (b) an encapsulant material.

Claim 48 (New): An encapsulated sensitive substance according to claim 47, wherein said sensitive substance is a volatile liquid material with a boiling point between about 40 °F and about 250 °F.

Claim 49 (New): An encapsulated sensitive substance according to claim 48, wherein said

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sensitive substance is a volatile liquid material selected from the group consisting of a flavor compound, aroma, fragrance, vitamin, nutrient, alcohol, acetone, ketone, aldehyde, organic acid, antioxidant, and oil.

Claim 50 (New): An encapsulated sensitive substance according to claim 49, wherein said nutrient is selected from the group consisting of omega 3 oil, carotenoid, vitamin A and vitamin E.

Claim 51 (New): An encapsulated sensitive substance according to claim 49, wherein said volatile liquid material is selected from the group consisting of lemon oil, spearmint oil, vanilla extract, garlic oil, and cinnamon.

Claim 52 (New): An encapsulated sensitive substance according to claim 48, wherein said sensitive substance is a biologically active compound.

Claim 53 (New): An encapsulated sensitive substance according to claim 52, wherein said biologically active compound is selected from the group consisting of *Lactobacilli*, *Bifidobacterium*, *Enterococci*, phytase, amylases, lipases, invertases, transglutaminases, proteases, lipoxygenases and pentosanases.

Claim 54 (New): An encapsulated sensitive substance according to claim 47, wherein said solid carrier is selected from the group consisting of maltodextrin, dextrins, silicon dioxide, starches, gums and hydrocolloids.

Claim 55 (New): An encapsulated sensitive substance according to claim 47, wherein the particle size of said solid carrier is between about 50 microns and about 2,000 microns.

Claim 56 (New): An encapsulated sensitive substance according to claim 47, wherein said encapsulant material a lipid material.

Claim 57 (New): An encapsulated sensitive substance according to claim 56, wherein said lipid material has a melting point between about 60 °F and about 200 °F.

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Claim 58 (New): An encapsulated sensitive substance according to claim 56, wherein said lipid material is selected from the group consisting of mono-, di-, and triacylglycerols; waxes; and organic esters.

Claim 59 (New): An encapsulated sensitive substance according to claim 56, wherein said lipid material is selected from the group consisting of soy bean oil, cotton seed oil, canola oil, carnauba wax, beeswax, bran wax, tallow and palm kernel oil.

Claim 60 (New): An encapsulated sensitive substance according to claim 47, wherein said encapsulant material is present in an amount of about 10 to about 90% by weight of said encapsulated sensitive substance.

Claim 61 (New): An encapsulated sensitive substance, prepared according to a method comprising:

introducing a sensitive substance into an encapsulation vessel, wherein the atmosphere in the encapsulation vessel is inert to the sensitive substance; and
encapsulating the sensitive substance.

Claim 62 (New): An encapsulated sensitive substance, prepared according to a method comprising:

plating the sensitive substance onto a solid carrier, in an atmosphere inert to the sensitive substance, to form a plated material; and
encapsulating the plated material.